Indiana Crop & Weather Report

United States Dept of Agriculture

Indiana Agricultural Statistics | 1435 Win Hentschel Blvd. Suite B105 | West Lafayette, IN 47906-4145 (765) 494-8371

Released: September 27, 2004
Vol. 54, No. 39

CROP REPORT FOR WEEK ENDING SEPTEMBER 26

AGRICULTURAL SUMMARY

Near perfect weather conditions last week allowed farmers to make good progress harvesting soybeans and corn, according to Indiana Agricultural Statistics. Soybean harvest is 9 days ahead of the average pace. The best progress for soybean acreage harvested is in the central region at 47 percent complete. The best progress for corn acreage harvested is in the southern region at 35 percent complete. Soils are becoming dry as there was virtually no precipitation in the state last week.

FIELD CROPS REPORT

There were 7.0 **days suitable for fieldwork**. Ninety-nine percent of the corn acreage has reached the **dent** stage compared with 96 percent last year and 99 percent for the average. Eighty-two percent of the corn acreage is **mature** (safe from frost) compared with 55 percent last year and 77 percent for the average. Seventeen percent of the corn acreage is **harvested** compared with 7 percent last year and 16 percent for the average. **Moisture** content of harvested corn is averaging about 20 percent. Corn **condition** is rated 81 percent good to excellent compared with 62 percent last year at this time.

Eighty-eight percent of the soybean acreage is **shedding leaves** compared with 70 percent last year and 83 percent for the average. Sixty-nine percent of the soybean acreage is **mature** compared with 36 percent last year and 54 percent for the average. Thirty-four percent of the soybean acreage is **harvested** compared with 8 percent last year and 14 percent for the average. **Moisture** content of harvested soybeans is averaging about 11 percent. Soybean **condition** is rated 75 percent good to excellent compared with 54 percent last year at this time.

Six percent of the **winter wheat** acreage is planted, on par with both last year and the average pace. **Tobacco** harvest is 87 complete compared with 80 percent last year and 87 percent for the average.

LIVESTOCK, PASTURE AND RANGE REPORT

Pasture condition is rated 5 percent excellent, 47 percent good, 31 percent fair, 13 percent poor and 4 percent very poor. Livestock are in mostly good condition.

CROP PROGRESS TABLE

Crop	This Week	Last Week	Last Year	5-Year Avg
	Percent			
Corn in Dent	99	95	96	99
Corn Mature	82	64	55	77
Corn Harvested	17	8	7	16
Soybeans Shedding Lvs	88	78	70	83
Soybeans Mature	69	50	36	54
Soybeans Harvested	34	14	8	14
Winter Wheat Planted	6	3	6	6
Tobacco Harvested	87	74	80	87

CROP CONDITION TABLE

Crop	Very Poor	Poor	Fair	Good	Excel-lent
			Percent		
Corn	2	4	13	48	33
Soybean	3	5	17	49	26
Pasture	4	13	31	47	5

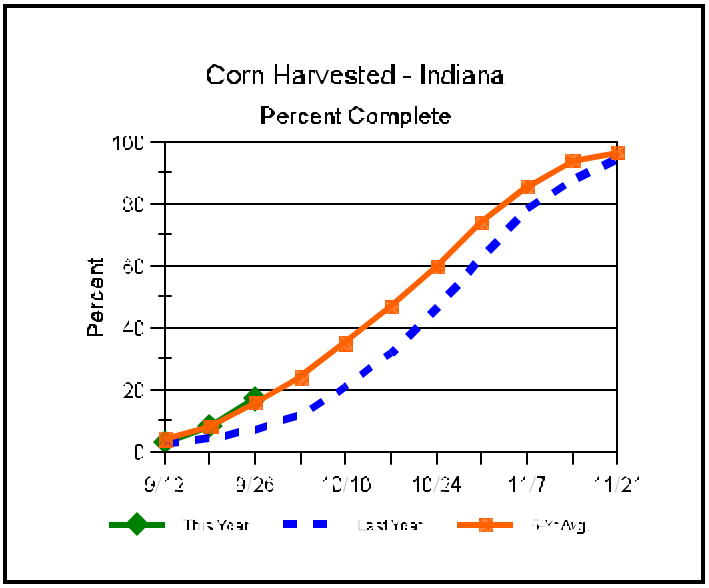
SOIL MOISTURE & DAYS SUITABLE FOR FIELDWORK TABLE

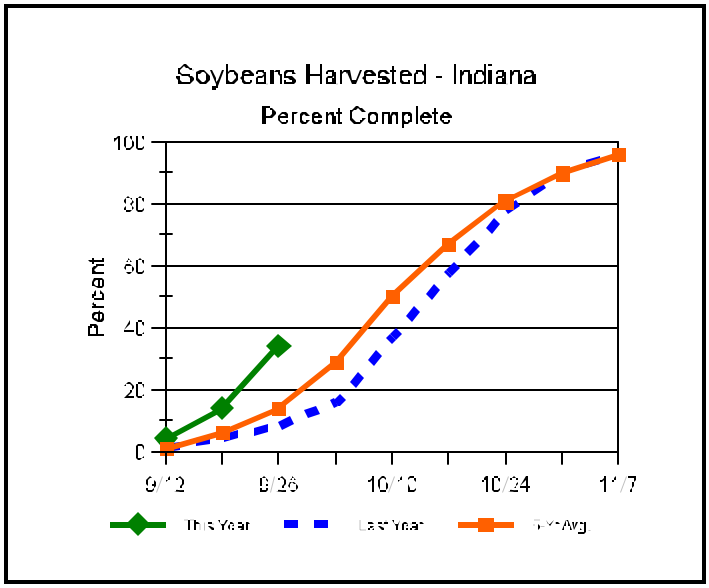
	This Week	Last Week	Last Year
		Percent	
Topsoil			
Very Short	14	3	0
Short	43	28	7
Adequate	43	67	71
Surplus	0	2	22
Subsoil			
Very Short	8	4	5
Short	28	17	11
Adequate	64	75	71
Surplus	0	4	13
Days Suitable	7.0	6.7	3.8

CONTACT INFORMATION

--Greg Preston, Director
--Bud Bever, Agricultural Statistician
E-Mail Address: nass-in@nass.usda.gov
http://www.nass.usda.gov/in/index.htm

Crop Progress





Other Agricultural Comments And News

Corn Fields NEEDED for Annual Corn Borer Survey

Since 1961, Purdue's Entomology Department has been conducting the European corn borer (ECB) fall survey. Observations of both stalk damage and larvae attempting to overwinter are recorded for each of nine districts in the state. This data gives us a rough hindsight of ECB activity during the season and foresight of first-generation populations for the following year. Southern Indiana counties take-heart, we include southwestern corn borer in this survey.

BE A PART OF HISTORY! We need your help in locating and securing permission to enter some non-*Bt* cornfields in your area. We destroy up to 20 total plants/field, so the impact on yield will be minuscule. Besides non-*Bt* corn, we leave it up to you to decide what yellow-dent variety, planting date, tillage, etc that we inspect. Multiple fields to be sampled must be separated by several miles.

Data from individual fields will be shared with you. District and state data will be combined and shared with everyone in the October issue of the *Pest&Crop*. Because we are beginning this survey September 15, we request your field locations ASAP.

Please call, we want to dissect your corn!

Please e-mail (obe@purdue.edu),call (765-494-4563), or FAX (765-494-2152) specific directions soon. Again, we need representation from ALL areas of Indiana. Thanks in advance!

John Obermeyer and Larry Bledsoe, Department of Entomology, Purdue University.

Weather Information Table

Week ending Sunday September 26, 2004

Station	Past Week Weather Summary Data							Accumulation				
								April 1, 2004 thru September 26, 2004				
	Air Temperature				Precip.		Avg 4 in Soil	Precipitation			GDD Base 50°F	
	Hi	Lo	Avg	DFN	Total	Days	Temp	Total	DFN	Days	Total	DFN
Northwest (1)												
Chalmers_5W	91	44	67	+4	0.00	0	70	29.33	+7.59	57	2903	-91
Valparaiso_AP_I	86	44	65	+4	0.00	0		20.05	-3.50	64	2715	-19
Wanatah	87	38	64	+4	0.00	0	72	21.89	-0.88	68	2534	-77
Wheatfield	86	43	63	+3	0.00	0		37.30	+15.21	72	2647	-22
Winamac	85	45	65	+5	0.00	0	67	28.55	+6.56	72	2776	+27
North Central (2)												
Plymouth	84	46	64	+3	0.00	0		26.32	+3.87	71	2676	-215
South_Bend	85	48	66	+5	0.00	0		22.28	+0.47	73	2841	+130
Young_America	89	44	66	+5	0.00	0		26.76	+5.48	62	2913	+70
Northeast (3)												
Columbia_City	86	43	65	+5	0.00	0	69	24.97	+3.62	73	2681	+93
Fort_Wayne	87	42	66	+4	0.00	0		25.34	+5.79	66	2876	+35
West Central (4)												
Greencastle	84	41	64	-1	0.00	0		22.70	-1.99	66	2856	-348
Perrysville	88	43	66	+4	0.00	0	75	21.49	-1.69	53	3136	+154
Spencer_Ag	83	45	65	+3	0.00	0		27.30	+2.48	69	3062	+55
Terre_Haute_AFB	85	46	67	+3	0.00	0		18.92	-4.41	62	3330	+150
W_Lafayette_6NW	88	40	65	+4	0.00	0	76	23.19	+1.46	50	2888	+60
Central (5)												
Eagle_Creek_AP	86	47	68	+5	0.00	0		19.41	-2.36	64	3229	+77
Greenfield	88	43	66	+4	0.00	0		22.64	-1.20	63	3059	+25
Indianapolis_AP	85	51	69	+6	0.00	0		27.12	+5.35	59	3340	+188
Indianapolis_SE	87	45	67	+4	0.00	0		22.42	+0.16	54	3085	-61
Tipton_Ag	87	44	66	+4	0.00	0	72	22.48	+0.39	64	2813	+71
East Central (6)												
Farmland	89	42	65	+4	0.00	0	65	21.25	-0.26	61	2845	+167
New_Castle	86	42	64	+3	0.00	0		23.32	+0.54	50	2542	-203
Southwest (7)												
Evansville	85	49	69	+3	0.01	1		22.71	+0.74	54	3731	+80
Freelandville	84	48	68	+4	0.00	0		23.13	+0.25	56	3368	+84
Shoals	86	47	67	+3	0.00	0		26.14	+1.44	61	3363	+178
Stendal	85	50	69	+4	0.00	0		24.65	+0.06	55	3573	+130
Vincennes_5NE	85	50	68	+5	0.00	0	73	23.56	+0.68	67	3506	+222
South Central (8)												
Leavenworth	85	50	67	+4	0.00	0		31.93	+6.97	65	3395	+232
Oolitic	85	46	66	+3	0.01	1	71	26.04	+2.41	68	3189	+146
Tell_City	85	53	70	+4	0.00	0		30.60	+5.44	55	3825	+298
Southeast (9)												
Brookville	91	43	68	+7	0.00	0		19.11	-3.81	54	3259	+368
Milan_5NE	87	47	67	+5	0.00	0		27.60	+4.68	90	3167	+276
Scottsburg	87	43	66	+2	0.00	0		32.91	+9.37	59	3273	+1

DFN = Departure From Normal (Using 1961-90 Normals Period).
GDD = Growing Degree Days.
Precipitation (Rainfall or melted snow/ice) in inches.
Precipitation Days = Days with precip of .01 inch or more.
Air Temperatures in Degrees Fahrenheit.

The above weather information is provided by AWIS, Inc.
For detailed ag weather forecasts and data visit the AWIS home page at
www.awis.com or call toll free at 1-888-798-9955.

Proper Grain Storage, Part 1

The time to start thinking about this year 's harvest is upon us, and the management practices that we utilize after harvest are just as important as those used before. Farmers and elevator managers are in a unique position to apply integrated stored-grain management programs successfully, if they take advantage of the ability to control the critical system parameters such as grain temperature and moisture content, storage time, market destination, and pest movement into their facilities.

Temperature Management Practices

One of the primary management practices to maintain quality is aeration. For aeration to be successful the grain has to be level and at moisture contents safe for storage because normal airflow in storage bins, silos, and flats is not enough to dry the grain. Go to <www.ces.purdue. edu/extmedia/GQ/GQ-12.html> for information on recommended maximum moisture contents for aerated grain storage in Indiana and the recommended airflow rates in upright and flat storages. Non-uniform temperatures in the grain bulk generate air currents that can lead to moisture migration when the stored grain is cooling.

Most storage problems result from improperly cooling the grain in the storage bin. The most common mistake is to stop running the aeration fan before the cooling front has moved through the entire grain pile. This can lead to condensation and crusted layers of spoiled grain in the bulk. In the fall it may take up to two aeration cycles to cool the grain to below 45ÄF by mid November. At 0.1 cfm/bu it would require 150 hours per cycle regardless of grain depth. For winter storage in Indiana, the grain should be cooled below 35ÄF before the end of December.

The fan operation time depends solely on the airflow rate in the storage bin. An aeration fan is usually sized for about 1/10 cfm/bu, while an inbin drying fan is usually sized for 1 cfm/bu. It is very important to recognize the difference in order to operate the fans long enough to move the cooling front completely through the bulk, and yet not so long as to waste electricity.

Next week we will cover Pest Management Practices.

Linda Mason, Department of Entomology, Purdue University

Dirk Maier, Extension Agricultural Engineer, Purdue University

The INDIANA CROP & WEATHER REPORT (USPS 675-770), (ISSN 0442-817X) is issued weekly April through November by Indiana Agricultural Statistics, 1435 Win Hentschel Blvd, Suite B105, West Lafayette IN 47906-4145. Second Class postage paid at Lafayette IN. For information on subscribing, send request to above address. POSTMASTER: Send address change to Indiana Agricultural Statistics, 1435 Win Hentschel Blvd, Suite B105, West Lafayette IN 47906-4145.